Tribal Energy Program Review

November 17-20, 2003

Golden, Colorado
National Renewable Energy Laboratory

- Only national laboratory dedicated to renewable energy and energy efficiency R&D
- Research spans fundamental science to technology solutions
- Collaboration with industry and university partners is a hallmark
- Research programs linked to market opportunities
Major NREL Technology Thrusts

**Supply Side**
- Wind Energy
- Solar Photovoltaics
- Concentrating Solar Power
- Solar Buildings
- Biomass Power
- Biofuels
- Geothermal Energy
- Hydrogen
- Superconductivity
- Distributed Power

**Demand Side**
- Hybrid Vehicles
- Fuels Utilization
- Buildings Energy Technology
- Federal Energy Management
- Advanced Industrial Technologies

**Cross Cutting**
- Basic Energy Science
- Analytical Studies
- International Programs
- Tribal Energy Program
NREL Funding
FY01 Total: $205 Million

- Photovoltaics: 29%
- Wind: 14%
- Bioenergy: 16%
- Other Power: 10%
- Buildings: 11%
- Vehicles: 9%
- Other: 12%
NREL Funding and Staffing

- Funding ($ millions)
- Payroll staffing


Presidents: Carter, Regan, Bush, Clinton, Bush
NREL Subcontracts About Half of Its Funding

NREL Operating Funding

Budget Authority ($ millions)

Number of Organizations with NREL Subcontracts (FY99)
- Industry: 434
- Universities: 96

Subcontract
Inhouse

South Table Mountain Site

Solar Energy Research Facility (SERF)

Visitors Center

Field Test Laboratory Building (FTLB)
National Wind Technology Center

GE Wind Energy
1.5 MW Drive Train

35 Meter Blade Strength Test